

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : C12N 15/12, C07K 14/435, A61K 38/17	A1	(11) International Publication Number: WO 00/26364 (43) International Publication Date: 11 May 2000 (11.05.00)
(21) International Application Number: PCT/IB99/01891		(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
(22) International Filing Date: 3 November 1999 (03.11.99)		
(30) Priority Data: 9824045.0 3 November 1998 (03.11.98) GB		Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(71) Applicant (for all designated States except US): EUROPEAN MOLECULAR BIOLOGY LABORATORY [DE/DE]; Postfach 102209, D-69012 Heidelberg (DE).		
(72) Inventors; and		
(75) Inventors/Applicants (for US only): COHEN, Stephen [CA/DE]; European Molecular Biology Laboratory, Postfach 102209, D-69012 Heidelberg (DE). BOUWMEESTER, Antonius [NL/DE]; European Molecular Biology Laboratory, Postfach 102209, D-69012 Heidelberg (DE). ROYET, Julien [FR/FR]; IBMC, UPR 9022 CNRS, 15, rue René Descartes, F-67084 Strasbourg Cedex (FR).		
(74) Agent: HALLYBONE, Huw, George; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).		

(54) Title: REGULATOR OF NOTCH SIGNALING ACTIVITY

(57) Abstract

The invention relates to a novel regulator protein termed Notchless, and to nucleic acid that encodes this protein. The invention also relates to methods of diagnosis and therapy of certain diseases, particularly cancer and neurodegenerative diseases, using this protein and its encoding nucleic acids.